

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/06/2017 10:18 AM
Cytometer Baseline: 07/29/2016 03:45 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124676	-1	1.65	124522	1.64
Blue	F	SSC	125000	123513	-2	3.01	123749	2.80
Blue	E	FITC	22946	22166	-4	2.30	985	9.76
Blue	D	PE	28770	27982	-3	1.86	1005	9.18
Blue	B	PerCP-Cy5-5	51099	49809	-3	3.21	1432	16.18
Blue	A	PE-Cy7	42312	41813	-2	4.95	646	33.42
Red	C	APC	52169	51492	-2	2.76	2965	9.27
Red	A	APC-Cy7	56705	56138	-1	2.79	1160	11.03
Violet	B	V450	14708	14061	-5	4.83	674	9.06
Violet	A	V500	58608	57158	-3	4.64	2535	6.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19845	5.55	601	3	N/A	N/A	Pass
Blue	F	SSC	61552	1.58	531	13	N/A	N/A	Pass
Blue	E	FITC	112	36.63	535	4	0.0229	127	Pass
Blue	D	PE	222	27.36	531	5	0.1859	254	Pass
Blue	B	PerCP-Cy5-5	227	41.37	626	4	0.0109	42	Pass
Blue	A	PE-Cy7	72	107.83	675	4	0.0134	10	Pass
Red	C	APC	348	26.91	591	1	0.0214	66	Pass
Red	A	APC-Cy7	128	39.71	576	0	0.0059	1746	Pass
Violet	B	V450	81	41.93	468	9	0.0548	2309	Pass
Violet	A	V500	183	22.60	497	9	0.0142	312	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.20	-30.98	0.82
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	17.45	13.27 - 19.91	N/A	N/A	31.56	31.65	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12127

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments